

M E M O R A N D U M

TO: Governing Board Members

FROM: Tommy B. Strowd, Director, Operations, Maintenance & Construction Division

DATE: December 15, 2011

SUBJECT: Contract No. 4600002570 – Project Culverts Replacement, Palm Beach County, Florida

Background:

There are three project culverts: PC01 on the L12 with four- 72-inch barrels, PC05 on the L15 (Hillsboro Canal) with six- 72-inch barrels, and PC10 on the L14 (Hillsboro Canal) with four- 72-inch barrels, all in Palm Beach County. The structures provide irrigation supply and surface water discharge to farmers in western Palm Beach County. Originally constructed in 1957 by the US Army Corps of Engineers, they are part of the Central and Southern Florida Project. Structure inspections performed between 2006 and 2008 recommended dredging and replacing the culverts due to aging and loss of functionality. The culverts have no controls anymore and cannot be effectively operated to meet water supply and flood control needs.

How this helps meet the District's 10-Year Strategic Plan:

This project is an integral component in the District's 10-year Strategic Plan to refurbish the infrastructure of the Central and Southern Florida Flood Control Project.

Funding Source:

The lowest responsive and responsible bidder is Murray Logan Construction, Inc., for a total project cost of \$2,536,600.00, of which ad valorem funds are budgeted in the FY12 budget under the Operations, Maintenance & Construction Capital Program.

This Board item impacts what areas of the District, both resource areas and geography:

This item applies to irrigation water supply and surface water discharge in western Palm Beach County. Thus, the item impacts the Operations, Maintenance & Construction Division and services in Palm Beach County.

What concerns could this Board item raise?

Construction activities for these projects could impact farming operations regarding the management of surface water discharge from the farmlands and traffic control during the harvest season. Bypass provisions have been incorporated into the contract.

Why should the Governing Board approve this item?

To support the continued operation of the Central and South Florida System, aging structures require maintenance and repairs. The PC01, PC05, and PC10 culverts can no longer function as designed. Currently, the structures are filled with sediments and allow uncontrolled flow through them due to leaks and deterioration. PC05 and PC10 could impact the operations of the S-6 Pump Station in providing flood protection.

If you have any questions, please do not hesitate to call me at ext. 6998.